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USA Patent Appln.  
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For Inventions made outside USA  
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Atty. Dkt. P. M# Client Ref.

NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Hag Dong KIM

(2)

(4)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DONGBU ELECTRONICS CO., LTD.  
891-10, Daechi-Dong, Gangnam-Gu, Seoul, Republic of Korea

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

Method of Manufacturing A Semiconductor Device

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☐ even date herewith

(B) ☐ on

(C) ☒ In U.S. Appln. No. 10 / 743,180 filed December 23, 2003

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE.

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

## INVENTORS

## DATE SIGNED

## WITNESSES

1):  
Name: Hag Dong KIM

2):  
Name:

3):  
Name:

4) Name:

Name:

5) Name:

Name:

Name:

FROM  
Intellectual Property Group of  
Pillsbury Winthrop LLP  
Attorneys at Law  
P.O. Box 10500  
McLean, VA 22102

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In re PATENT APPLICATION of

Inventor(s) KIM

Appln. No. 10/743,180

series code ↑ serial no.

Filed: December 23, 2003

Group Art Unit: 2812

Examiner:

Atty. Dkt. P 40044/307370

M#

TITLE: METHOD OF MANUFACTURING A  
SEMICONDUCTOR DEVICE

Date: July 21, 2004

Name or type of signed paper being transmitted:

Copy of Notice of Non-Recordation ID No: 102640341

Response to Notice of Non-Recordation

Original Assignment

New Transmittal Cover Sheet

Original Cover Sheet with cash register receipt information

Copy of PTO date-stamped postcards evidencing receipt of original papers  
on December 23, 2003

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Name Henry J. Daley

Sig. Henry J. Daley

Date July 21, 2004

40044/307370

Attorney's Docket 040044-0307370  
Client Reference: OF03P235/US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of:  
HAG DONG KIM

Confirmation No: 7277

Application No.: 10/743,180

Group Art Unit: 2812

Filed: December 23, 2003

Examiner:

Title: METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE

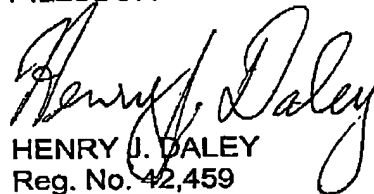
**Commissioner for Patents**  
**P.O. Box 1450**  
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December 23, 2003

PILLSBURY WINTHROP LLP

  
HENRY J. DALEY  
Reg. No. 42,459

Date: July 21, 2004  
P.O. Box 10500  
McLean, VA 22102  
Telephone: (703) 905-2000  
Facsimile: (703) 905-2500

Attorney Docket No. 040044-0307370  
Client Reference: OF03P235/US

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: HAG DONG KIM

Application No.: 10/743,180

Group Art Unit: 2812

Filed: December 23, 2003

Examiner:

Confirmation No.: 7277

For: METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE

**RESPONSE TO NOTICE OF NON-RECORDATION OF DOCUMENT  
DOCUMENT ID NO.: 102640341**

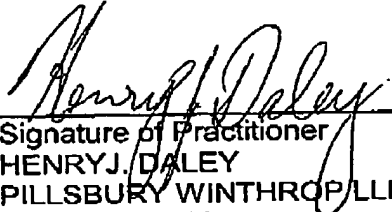
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a copy of Document ID No. 102640341, dated July 14, 2004, indicating that the Assignment as filed on December 23, 2003 is non-recordable because there is no date of execution on the transmittal sheet. Applicant therefore encloses herewith a fresh transmittal sheet with the properly indicated Assignment execution date. Also attached is a copy the original Assignment, a copy of the cash-register receipted defective transmittal sheet and a copy of the Patent Office date-stamped postcards indicating receipt in the Patent Office of the originally filed Assignment on December 23, 2003. This document is being filed within thirty days of the mailing of Document ID No. 102640341 and it is therefore believed that no further fee is required in connection with the recording of the Assignment. Recordation and return of a Notice of Recordation is respectfully requested.

Date: July 21, 2004

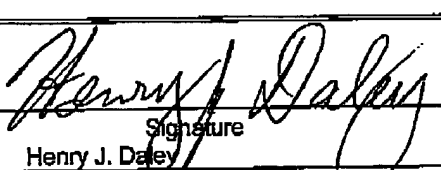
Reg. No.: 42,459  
Tel. No.: (202) 775-9832  
Customer No.: 00909

  
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Signature of Practitioner  
HENRY J. DALEY  
PILLSBURY WINTHROP LLP  
P.O. Box 10500  
McLean, VA 22102

☐ First Page of Letter to PTO—page 1 of 1

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TO THE DIRECTOR OF THE US PATENT AND TRADEMARK OFFICE: SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.					
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):					
1. HAG DONG KIM		2.		3.	
3.		4.		5.	
5.		6.		7.	
7.		8.		ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:					
NAME: DONGBU ELECTRONICS CO., LTD.					
ADDRESS: 891-10, Daechi-dong, Gangnam-gu, Seoul, Republic of Korea					
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
3. NATURE OF CONVEYANCE (DOCUMENT):					
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<input checked="" type="checkbox"/> ASSIGNMENT OF		<input checked="" type="checkbox"/> WHOLE <input type="checkbox"/> PART INTEREST		EXEC. DATE: December 16, 2003	
<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> FACSIMILE/PHOTOCOPY			
<input type="checkbox"/> CHANGE OF NAME		<input type="checkbox"/> VERIFIED TRANSLATION			
<input type="checkbox"/> SECURITY <input type="checkbox"/> MERGER		<input type="checkbox"/> OTHER:			
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input type="checkbox"/> NO					
A. PAT. APP. NO.(S)	M#	1* INVENTOR	B. PATENT NO(S)	M#	1* INVENTOR
series: code/serial no		if not in item 1			if not in item 1
10/743,180	307370				
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:			6. NUMBER INVOLVED:		
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			7. AMOUNT OF FEE PAID: (Code 8021) ABOVE TOTAL x \$40 = \$40		
5.5 ATTY DKT:			8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT		
P 307370	OF03P234/US	NUMBER: 03-3975			
MATTER NO.	CLIENT REF.	UNDER ORDER NO	40044	307370	
		dup. sheet not required	CLIENT NO.	MATTER NO.	
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
 Signature				10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	
				2	
Attorney: Henry J. Daley		Date: July 21, 2004			
Reg. No. 42459		FAX: (202) 833-8491			
Atty/Sec: HJD/emg		TEL: (202) 775-9832			

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DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 14, 2004

PTAS



\*102640341A\*

PILLSBURY WINTHROP LLP  
IP GROUP  
PO BOX 10500  
MCLEAN, VA 22102**UNITED STATES PATENT AND TRADEMARK OFFICE  
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DOCUMENT ID NO.: 102640341

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1. THE COVER SHEET SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. AN EXECUTION DATE MUST BE INDICATED FOR EACH CONVEYING PARTY.

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PILLSBURY WINTHROP LLP/VA

JUL 19 2004

CL 040044 MT# 0307370  
ATTY(S) JPK GTS HMD  
DUE: Aug 13, 2004  
DKT BY (1) CMS (2) JPK

PTO RECEIPT Attorney Docket: 040044-0307370  
 Atty: Dale S. Lazar/Joyce Hill  
 Appln. No: Date: December 23, 2003  
 Inventor(s): HAG DONG KIM  
 Title: METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE  
☐ Preliminary Amendment ☒ Application Data Sheet  
☐ Appendix ☒ Utility/Design/Provisional  
☒ No. of Pages Application (Spec + Claim(s) + Abstract) 30  
☐ No. of Pages Separate Power of Attorney  
☒ No. of Numbered Claims Only 7  
☒ Declaration (11 of pages)  
☒ Assignment ☒ Cover Sheet  
☒ No. of Priority Documents 2  
☒ No. of Sheets of Drawings (Fig(s) 1-18) 11  
☒ IDS ☐ Appendix for Cited Appl(s) ☐ Foreign Search Report/OA  
☒ PTO-1449 ☐ Cited Documents ☐ Nonpublication Request  
 \$ 810.00 Total Fee Charged to Deposit Account 033975  
 Other:  
 CURRENT DUE DATE: December 30, 2003



7/96

PTO RECEIPT Attorney Docket: 040044-0307370  
 Atty: Dale S. Lazar/Joyce Hill  
 Appln. No: Date: December 23, 2003  
 Inventor(s): HAG DONG KIM  
 Title: METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE  
☐ Preliminary Amendment ☒ Application Data Sheet  
☐ Appendix ☒ Utility/Design/Provisional  
☒ No. of Pages Application (Spec + Claim(s) + Abstract) 30  
☐ No. of Pages Separate Power of Attorney  
☒ No. of Numbered Claims Only 7  
☒ Declaration (11 of pages)  
☒ Assignment ☒ Cover Sheet  
☒ No. of Priority Documents 2  
☒ No. of Sheets of Drawings (Fig(s) 1-18) 11  
☒ IDS ☐ Appendix for Cited Appl(s) ☐ Foreign Search Report/OA  
☒ PTO-1449 ☐ Cited Documents ☐ Nonpublication Request  
 \$ 810.00 Total Fee Charged to Deposit Account 033975  
 Other:  
 CURRENT DUE DATE: December 30, 2003



7/96

12-23-03

PA:

17302 US PTC  
10/743180TO THE DIRECTOR OF THE US PATENT AND  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT.

102640341

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Hag Dong KIM

3.

5.

7.

2.

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Dongbu Electronics Co., Ltd.

ADDRESS: 891-10, Daechi-dong, Gangnam-gu, Seoul, Republic of Korea

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

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☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
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EXEC. DATE:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☐ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
	307370	KIM			

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:Pillsbury Winthrop LLP  
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P.O. Box 10500 McLean, VA 22102

10743180

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 8021)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 307370

OF03P234/US

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT  
NUMBER: 03-3975

UNDER ORDER NO

40044

307370

MATTER NO.

CLIENT REF.

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CLIENT NO.

MATTER NO.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

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Attorney: Dale S. Lazar

Reg. No. 28872

Atty/Sec: DSL/jrh

TEL: (703) 905-2126

Date: December 23, 2003

FAX: (703) 905-2500

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01/05/2004 ED00PER. 00000111 033975 10743180

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